

**To:** Avey, Lance[Avey.Lance@epa.gov]  
**From:** Miller, Ken  
**Sent:** Thur 12/10/2015 6:43:44 PM  
**Subject:** RE: Hourly SO2 emissions information

Lance,

Thanks for the link; it's very helpful. Strange that the hourly flow rate data wouldn't be available through the Air Markets Program Data web site given that it is collected by EPA under 40 CFR Part 75, and is only available for select years through the Emissions Modeling Clearinghouse. Regardless, I do have Ameren's AERMOD input files so I already have hourly stack temps and exit velocities for Labadie, but I wanted to verify Ameren's model input data by checking it against EPA data if possible. Based on a quick look its hourly mass emission rates check out but its flow rates do not, which could be significant given that its rates are higher. I'll have to go back and see if I made a unit conversion error (the Clearinghouse flow rate data is in ft<sup>3</sup>/hr and the AERMOD input data is in m/s) but I'm pretty sure I got the formula right.

Regards,

Ken

Ken Miller, P.G.

Environmental Scientist

Interdisciplinary Environmental Clinic

Washington University School of Law

One Brookings Drive - Campus Box 1120

St. Louis, MO 63130

314-935-6368 (phone)

314-935-5171 (fax)

[kenneth.miller@wustl.edu](mailto:kenneth.miller@wustl.edu)

 Please consider the environment before printing.

**From:** Avey, Lance [mailto:Avey.Lance@epa.gov]  
**Sent:** Thursday, December 10, 2015 11:44 AM  
**To:** Miller, Ken  
**Cc:** Hawkins, Andy; Jay, Michael  
**Subject:** Hourly SO2 emissions information

Hi Ken,

Below is a link to Hourly SO2 data collected by States using CEMS for the 2012-2014 period:

<http://www3.epa.gov/ttn/chief/emch/so2naaqs/index.html>

You can see that the exit flow rates are available, but note that stack temperature data is not required to be submitted, and thus is not in CAMD. However, if you possess the modeling inputs for Ameren's AERMOD modeling, you would be able to find information (both stack temps and exit velocities) in there.

Let me know of any further questions,

Thanks

Lance

Lance Avey

EPA Region 7

11201 Renner Boulevard

Lenexa, Kansas 66219

(913) 551-7809

[avey.lance@epa.gov](mailto:avey.lance@epa.gov)